ASBESTOS

MAY - - 1945

TO THE AMERICAN PEOPLE:

Your sons, husbands and brothers who are standing today upon the battlefronts are fighting for more than victory in war. They are fighting for a new world of freedom and peace.

We, upon whom has been placed the responsibility of leading the American forces, appeal to you with all possible earnestness to invest in War Bonds to the fullest extent of your capacity.

Give us not only the needed implements of war, but the assurance and backing of a united people so necessary to hasten the victory and speed the return of your fighting men.

William D. Leahy
E. J. King
Dwight D. Eisenhower
C. W. Nimitz
H. H. Arnold

ASBESTOS RM TEXTILES

FOR FURTHER INFORMATION . . .

ASBESTOS YARN IS FORMED BY TAKING A RIBBON-LIKE FILAMENT OF FIBERS FROM THE CARD, RUBBING THE RIBBON INTO ROVING AND SPINNING THE ROVING INTO YARN. TWISTING TWO OR MORE PLIES OF "SINGLE" YARN INTO MULTIPLE CONSTRUCTION, WITH WIRES OF VARIOUS KINDS, FORMS THE YARNS FOR VARIOUS ASBESTOS PRODUCTS. FOR FURTHER INFORMATION ON ASBESTOS TEXTILES AND TEXTILE PRODUCTS,

WRITE TO

RAYBESTOS-MANHATTAN, INC.
INDUSTRIAL SALES DIVISION
FACTORIES
BRIDGEPORT, CONN. NO. CHARLESTON, S. C.
MANHEIM, PA. PASSAIC, N. J.

"ASBESTOS"

FOUNDED IN JULY 1919 AND PUBLISHED
MONTHLY SINCE THAT DATE
BY SECRETARIAL SERVICE
17th FLOOR INQUIRER BUILDING
PHILADELPHIA, 30, PENNSYLVANIA

Estate of C. J. STOVER, *Proprietor*
A. S. ROSSITER, *Editor*
E. E. COX, *Circulation Manager*

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A NEW ERA

Since publication of our April number there has been thrust upon the people of our nation, what may well become a new era for these United States.

The Roosevelt reign came to a sudden, tragic end, on April 12th. Tragic because, Franklin D. Roosevelt, after years of arduous work, altho given a glimpse of the victory, was not permitted to enter the promised land of peace.

Our new leader, Harry S. Truman, was forced to take on the heavy duties of President of the United States, and Commander-in-Chief of the Army and Navy, at a moment's notice.

The Asbestos Industry has worked faithfully under the guidance of Roosevelt; we know that it will be equally faithful in performance under the leadership of Truman.

Therefore, without hesitancy we pledge for the Asbestos Industry the cooperation of every member, first, in the winning of the war and later, in reconversion to peacetime work, and in the meantime, in the support of the *Seventh War Loan.*

The letter printed on the front cover of this issue, signd by the seven Five-star generals, is not just idle propaganda, or high pressure salesmanship; it means something. Help to hasten the victory by buying in the

INVEST IN VICTORY — BUY THAT EXTRA BOND

USE THE SALESMAN

Use the salesman—often he is an expert in his line. He may know practically nothing about your line of goods, or the products *you* make but he knows his *own*—how they will work under certain conditions, which quality or thickness or kind or type will be best for *your* purpose; why you have been having trouble in some particular installation or application of his product.

He will be eager to help you because he may learn of a new application for his product, and because if he finds an answer to your problem with his materials or equipment, you will become not only a good customer but a firm friend. You will probably tell that golf friend of yours the story; or your next door neighbor who has a problem somewhat similar.

An engineer in a large plant says that he hands over the supervision of various details to expert salesmen in one line and another; in that way he has more time to devote to managing the plant. The oil salesman for instance has cut the lubricating costs in half. The salesman doesn't know anything about the materials made in the plant, but he knows oils and can save time and money by seeing that certain oils are used in certain places. In the same way furnace repair costs have been reduced about 15%; packing costs have been cut 30 per cent; the same is true of belting and a long list of other items.

Most salesmen are substantial, solid, practical men, who know their specialty from the ground up. They wouldn't be in their present position if they didn't. Before they are allowed to go out and sell for a reputable concern they are thoroly schooled. They must know their competitors' products as well as their own. They must understand the application of their product to all industries. Salesmen today must be "practical". Most of them have been mechanics, engineers or men with a good solid technical background.

Reconversion to civilian production will require changes in machinery, new insulation, many things which will present vexing problems. The salesman can help you solve them. It usually pays to give the salesman a hearing when

he happens along. If no improvement can be made he will continue on his way. Most times, however, he can suggest alterations or materials which will result in the saving of time or money.

The salesman is always ready and willing to help solve your problems. It will pay you to use him; it will pay him to help you.

THE ASBESTOS INDUSTRY IN 1944
Mineral Market Report No. 1276

A very comprehensive review of the Asbestos Industry in 1944 is given in MMS No. 1276, prepared by Oliver Bowles, Chief, Nonmetal Economics Division, Economics and Statistics Branch of the U. S. Bureau of Mines, and released for publication on April 13th.

While, for reasons of security, no statistics are included in this report, we suggest that our readers add the report to their Library on Asbestos.

Among other interesting items is the report of discovery of a deposit of chrysotile at Bou Asser, French Morocco. Sample received by the Bureau of Mines is reported to be a section of a cross-fibre vein having fibres about 2 inches long, of spinning quality, said to be used locally in the manufacture of building products at Casablanca.

BUY WAR BONDS AND STAMPS

"ABALL OFFERS"

Manufacturers interested in distribution in the New Jersey-New York Metropolitan area where warehouse, railsiding, superhighway, combined with complete knowledge of manufacturers problems can be of assistance, are invited to write ABALL ASBESTOS CO., 21 Lawrence St., Newark 5, N. J.

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RUBBER AND ASBESTOS CORP

Carey HEAT INSULATIONS

Careycel—For temperatures up to 300° F.

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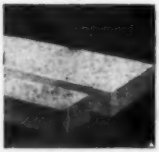
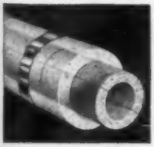
The CAREY Line includes high efficiency insulating materials of Asbestos and Magnesia for every known service condition—for temperatures ranging from

SUB-ZERO to 2500° F.

85% Magnesia—For High & Med. Pressure.



Hi-Temp Blocks—For Furnaces, Ovens, Kilns, etc.



Combination Hi-Temp.—85% Magnesia.

Hair Felt Insulation For sub-zero.

In addition to the insulations shown, Carey makes other Asbestos Specialties—as Plastic and Dry Refractory Cements, Asbestos Paper, Asbestos Millboard, Asbestos Packings, Asbestos Cements, Flat and Corrugated Sheathing, Careystone Asbestos-Cement Shingles and Siding, Asbestos Fibre.

Wholesalers and Applicators of Insulation Materials — write for details and prices.

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the all-asbestos duct for conveying conditioned air. Combines duct and insulation. Fireproof, sound-deadening, permanent, economical, quickly erected.

INSULATED AND ACOUSTICAL TYPE—

Made of Asbestos Fibre—combines both duct and insulation. Simple slip-joint construction and standardized parts provide easy and rapid fitting on job.

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IN CANADA: THE PHILIP CAREY COMPANY LTD., OFFICE AND FACTORY, LENNOXVILLE, P. Q.

ALKYD RESINS AND ASBESTOS GARMENTS

By Georgia Leffingwell, Ph. D & Milton A. Lesser, B.Sc.

One of the most important technical advances in making fire resistant garments has been due to the wider applications of glycerine. Because of its chemical structure, that of an aliphatic trihydroxyl alcohol, glycerine enters readily into a variety of chemical reactions to produce numerous derivatives of great diversity and utility.

Among these derivatives, the alkyd resins, generally formed by the reaction of glycerine with phathalic anhydride or similar polybasic acid, have attracted perhaps the greatest recent interest. Suitably modified by the use of various substances, these glycerine phthalate or alkyd resins have revolutionized the manufacture of protective paints, varnishes, lacquers and enamels. During the last decade, they have found a well established place in the treatment of many types of fabrics. Recently, this utility of glyceryl phthalate resins was extended to include asbestos garments.

No one can deny that the best fireproof fabric is made from asbestos fibres. The durability of asbestos garments, however, is limited by the softness of the fibres. Moreover they show a tendency to give off a certain amount of dust or fluff, which is a disadvantage in certain types of work. A new British process aims to overcome these disadvantages by the use of an alkyd resin.

According to the patent[1], the asbestos garments are impregnated or coated with a flexible, wear-resistant, heat-resistant material which can be applied to the cloth by brushing, spraying or by immersion. To meet these requirements, it is recommended that a glycerine phthalic acid type synthetic resin, particularly one selected from the flexible oil-modified types, be dissolved or diluted with a suitable volatile solvent such as toluene or acetone.

[1]George Angus & Co., Ltd., and Balkin, M.: Brit. Pat. 551,513, Feb. 25, 1943.

ASBESTOS

in the all-out drive for Victory

In every important war industry and in the production of almost every vital unit of military or naval equipment one or more of Johns-Manville's 1200 products is being used. Twenty-four hours a day, seven days a week they are pouring forth from the J-M factories . . . helping to hasten the ultimate victory that will assure the continuation of the free way of life that has made America great.

Johns-Manville owns and operates Asbestos Mines in Arizona and Canada, fifteen factories located strategically across the continent, sales offices in all large cities and a large, scientifically equipped research laboratory in which J-M Engineers and Scientists are constantly developing new uses for this remarkable mineral, Asbestos.

For complete information on J-M Asbestos Products or raw asbestos in a wide range of grades and fiber lengths, write to any J-M office or distributor.

JOHNS-MANVILLE

EXECUTIVE OFFICES: NEW YORK

JOHNS-MANVILLE JM PRODUCTS

Branches in All Large Cities

The resin solution is then applied lightly with a brush to the garment which is put aside until most of the solvent has evaporated. The garment is baked in an oven for about 20 minutes at a temperature of 120°C. to toughen the resin and is then ready for use. If desired, coloring agents may be added to the resin solution.

While alkyd resins are the preferred materials, other alternate substances may be used to impart the requisite wear resistance. Among these are phenol formaldehyde resins, chlorinated rubber and certain oil varnishes. The glycerine phthalate resin treatment is said to be applicable not only to garments made from pure asbestos fibre, but also to garments made from mixed asbestos fabrics (e. g. asbestos and cotton) and asbestos yarn with an insertion of cotton, brass wire or other material. The resin treatment may be applied to gloves, suits and other garments made either from woven asbestos cloth or from fabrics made by machine knitting from asbestos yarn. It has been found that the application of the external wear resistant layer of alkyd resin varnish materially increases the life of the garments without substantial reduction in their flexibility and without marked increase in manufacturing costs.

Because, as a class of resins for use in textile treatments, the alkyds display good flammability resistance, good heat resistance and good flexibility, as well as a low cost rating, it is not surprising that the glycerine phthalate resins should find new uses in treating other fabrics. According to other recent patents[1], cellulosic yarns and fabrics may be rendered heat, acid and alkali resistant by treatment with a water-soluble, triethanolamine-modified glycerine phthalic anhydride resin. This alkyd resin may be used alone in treating the fabrics, or if desirable, it may be used together with a urea-formaldehyde synthetic resin.

While alkyd resins are growing in importance and in their range of application, it should not be forgotten that

[1]Monsaroff, B.: U. S. Pat. 2,341,735, Feb. 15, 1944; Can. Pat. 420,371, May 23, 1944.

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ASBESTOS

MINED IN U. S. A.

Clean, well fiberized asbestos particularly well suited for the manufacture of the better types of

BRAKE LINING • CLUTCH FACING • ROOFING PAINTS
SHINGLES • PLASTIC CEMENT • INSULATING CEMENT
MOLDED PLASTICS • ASBESTOS PAPER • MILLBOARD

Samples and Prices upon application

VERMONT ASBESTOS MINES

Division of The RUBEROID Co.

HYDE PARK, VERMONT

SALES OFFICE, 500 FIFTH AVENUE, NEW YORK CITY • MINE, EDEN, VT.

the physical properties inherent in glycerine explain its use in practically every modern industry. Glycerine finds many valuable uses in nearly all phases of textile processing and all of its valuable properties are called into play at one time or another. In methods for making fabrics fire resistant, for example, glycerine is extensively employed as a plasticizer or flexibilizing agent to help maintain the softness of the goods and to counteract hardness and stiffness. This plasticizing action is in turn dependent, in part at least, upon such characteristics as hygroscopicity and lubricating effects.

Glycerine has been suggested as a lubricant suitable for treating asbestos yarn so as to permit the manufacture of knitted rather than woven asbestos fabrics[1]. It is a well known fact that knitted goods are more suitable for making certain types of protective garments (such as gloves) than are woven materials. In treating asbestos yarn, glycerine serves to reduce the roughness of the fibre surfaces sufficiently to permit the yarn to be knitted mechanically without tearing. When used in this way, glycerine has no deleterious effect and may easily be washed out if desired.

A. S. T. M. CANCELS ANNUAL MEETING

Because of the transportation, the American Society for Testing Materials has cancelled all arrangements for the regular annual meeting of the Society which was scheduled for Buffalo, June 18th to 22nd inclusive. The exhibit of Testing Apparatus generally held in connection with the annual meeting has also been cancelled.

The Society, however, is planning for a business session to be held in June in New York City, this to permit actions on the formal standards and any other necessary business. The technical papers and reports which would have normally been presented, will be printed and distributed to members. The technical committees are holding meetings at various times and places and work on various specifications and tests continues intensively.

[1]George Angus & Co., Ltd. & Presburg, M.: Brit. Pat. 468,249, July 1, 1939.

Manufacturers of a complete line

ASBESTOS-CEMENT SHINGLES
ASBESTOS-CEMENT WALLBOARDS
ASBESTOS ELECTRICAL MATERIALS
ASBESTOS AND MAGNESIA PIPE AND BLOCK INSULATION
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ASBESTOS CORRUGATED
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ASBESTOS MARINE INSULATIONS
ASBESTOS-CEMENT PIPE
ASBESTOS PAPER & MILLBOARD
ASBESTOS TEXTILES
ASBESTOS LUMBER
ASBESTOS ACOUSTICAL MATERIAL

Today, all of these K&M products are playing an important role in the War Program; contributing in many different ways to its ultimate success. For the duration, the Nation will continue to have first call on all K&M plants and employees.

Nature made asbestos. Keasbey & Mattison has made it serve mankind . . . since 1873.

KEASBEY & MATTISON COMPANY, AMBLER, PENNA.

ASBESTOS HUTS FOR BOMBED-OUT BRITISH

British war workers, bombed out of their homes by Nazi terror weapons from the sky are being provided with a roof over their heads by the use of Asbestos-Cement Covered Huts, shown in the illustration.

Clean and comfortable are these asbestos-cement covered and lined huts for homeless British citizens.

These are 19 feet wide at the bottom, 27 feet long. They contain two bedrooms, a combined living and dining room and a kitchenette. Smaller huts containing toilet facilities and fuel chambers are built for every two houses. U. S. Army Engineers are aiding in the construction.

The task of rehousing in Great Britain is stupendous; 202,000 houses in the United Kingdom have been entirely destroyed since the war began, 255,000 more rendered uninhabitable, and a further 4,073,000 damaged less seriously up to September 30, 1944, before the V-2 rockets began. The total figure, more than 4,530,000 is over one fourth of the (approximate) 13½ million British houses standing in 1939.

This is the first of a series of photographs which will show the manner in which Great Britain is providing for her homeless. Asbestos-cement materials will be used profusely.

UNION ASBESTOS
MEANS PROGRESS IN INSULATION
AND RUBBER CO.

INSULATION
FOR MARINE, RAILROAD, AVIATION AND INDUSTRIAL USE

☆

TWO ARMY-NAVY "E" AWARDS FOR EXCELLENCE IN WAR PRODUCTION
ONE TO THE CICERO, ILLINOIS PLANT; ONE TO THE PATERSON, N. J. PLANT

UNION ASBESTOS & RUBBER COMPANY

Offices: CHICAGO, NEW YORK, SAN FRANCISCO • Plants: CICERO, ILL., BLUE ISLAND, ILL., PATERSON, N. J.

CONSUMPTION OF BUILDING MATERIALS ESTIMATED FOR 1945

Our April number contained a tabulation of various building materials consumed in 1944.

Below is given a similar tabulation covering *estimates* of consumption of the same materials in 1945 (WPB Release No. 7657).

Asphalt	1,165,200	short tons
Building Blocks	220,000,000	blocks
Building Boards	911,000,000	square feet
Brick	1,628,000,000	bricks
Cast Iron	338,300	short tons
Cement	89,400,000	barrels
Copper	28,177	short tons
Gypsum Board	1,740,000,000	square feet
Lead	32,340	short tons
Lumber	3,689,000,000	board feet
Roofing Materials	59,128,000	squares
Sewer Pipe	725,000	long tons
Steel	2,128,000	short tons
Steel Plate	300,100	short tons
Structural Tile	702,000	long tons
Zinc	9,118	short tons

It must be born in mind, however, that the estimates have been made on the assumption of full scale war (that is, in both Europe and the Pacific).

A NEW IDEA IN OIL BURNER WICKING

Among the patents mentioned on page 36 of this issue is No. 2,371,006 on a novel oil burner wick, developed for Raybestos-Manhattan, Inc., by Jesse M. Weaver, as a wartime substitute for woven asbestos wicking.

A sample of this wick, which is before us as we write, shows it to be composed of a layer of soft crimped asbestos paper felt sandwiched between layers of hard asbestos paper, and the assembly stitched on a sewing machine into a ribbon of wicking, then corrugated to avoid buckling.

The manufacturers have informed us that the excellent performance of this wick and the continued jobber demand indicate it will hold a permanent place among oil burner wicks. It is produced in 7/8", 1", 1 1/4" and 1 3/8" widths.

NEW LIGHT-DENSITY TYPE *Precision Molded*

85% MAGNESIA

Molded to exact final size and thickness. All its surfaces are smooth. Tie wires are easy to embed.

PLANT RUBBER & ASBESTOS WORKS

Manufacturers of Plant Insulating Materials and Mechanical Packings Since 1920

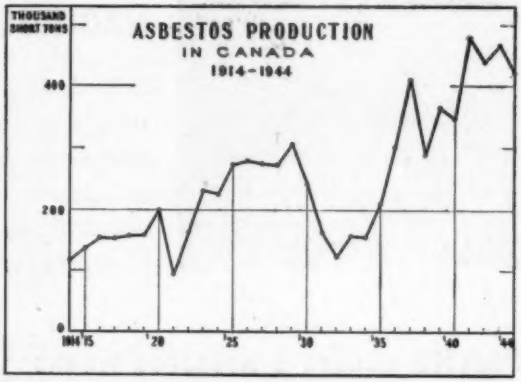
MAIN OFFICE: SAN FRANCISCO

Sales Offices in Los Angeles, Wilmington, and Oakland, Calif.; distributors in principal cities

Factories in Emeryville, San Francisco, and Redwood City, Calif.

CANADIAN PRODUCTION GRAPH

The recently issued "Preliminary Report on the Mineral Production of Canada 1944" contains on page 28, the graph reproduced below, which shows Asbestos Production in Canada 1914 to 1944. The report is published by the Dominion Bureau of Statistics at Ottawa, Ont., Canada.



Accompanying the graph are given figures for production by tons and value, for the past five years, as follows:

Year	Tons	Value
1940	346,805	$15,619,865
1941	477,846	21,468,840
1942	439,459	22,663,283
1943	476,196	23,169,505
1944	420,880	21,599,787

• • • —

Officials of the several southern plants of the United States Rubber Company have secured, with the assistance of Army officials, 100 G. I. trailers, to house workers. They were placed in uniform order in pine groves immediately adjacent to the mills. Sidewalks, lights, water and other facilities were installed.

ASBESTOS

ASBESTOS CORPORATION LIMITED

THETFORD MINES

QUEBEC CANADA

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MARKET CONDITIONS

GENERAL BUSINESS

The past month has been a difficult one for business. The sudden accession of Vice President Truman, somewhat of an unknown quantity, to the Presidency, the imminence of victory in Europe but uncertainty of the exact date when it will occur, the manpower shortage which continues acute,—these are just a few of the factors which business has had to deal with and which require wise decisions. Now that V-E Day has come there will be many adjustments to be made but at least business can proceed with some degree of confidence.

Many businesses, and this applies to almost all divisions of the Asbestos Industry, are feeling favorably even at this early date, the effect of the rebuilding of devastated Europe.

ASBESTOS - RAW MATERIAL

Asbestos Crudes and the longer spinning fibres are still scarce and under careful allotment by the War Production Board. The demand for other grades of fibre is constant and certainly will continue so in the second quarter.

Allocations for the second quarter of 1945 have been completed and except for a few minor situations, all manufacturers' requirements were adequately handled.

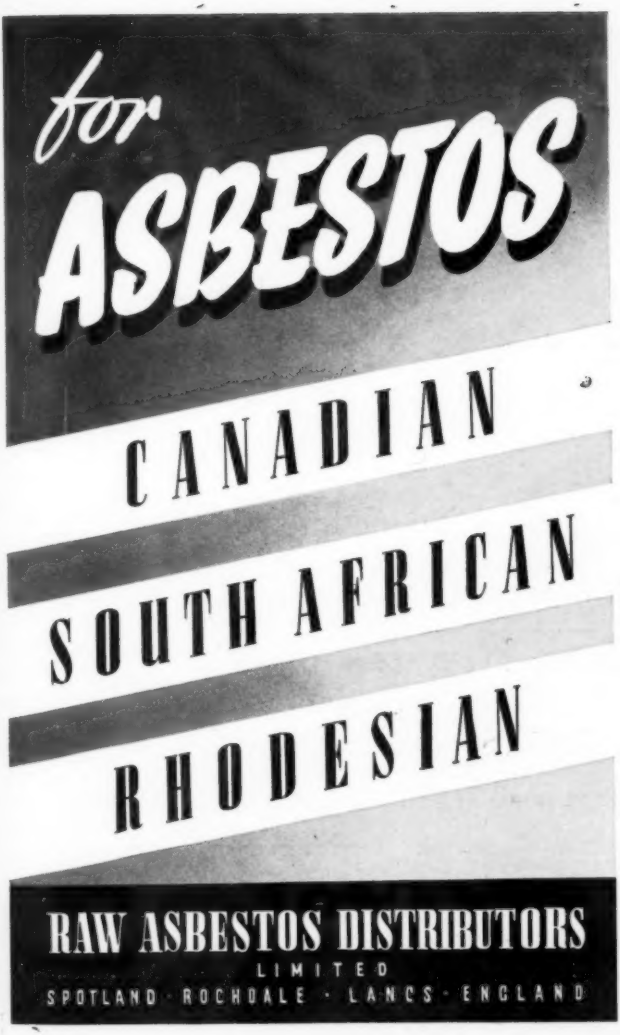
An excellent demand for shingle fibres is reported and the mines would be oversold on this grade if war should cease and manpower become more plentiful. All Canadian mines are operating on full time schedules.

French and Belgian demands for asbestos crudes and fibres are very high and allotments of the Combined Raw Materials Board are quite generous; this will tend to take up any surplus of such grades beyond the requirements of the United States market.

Ocean shipping space is reported as materially improved during the past month.

ASBESTOS - MANUFACTURED GOODS

Asbestos Textiles. Demand for asbestos textiles shows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SPOTLAND · ROCHDALE · LANCS · ENGLAND

SOLDIERS WITOUT

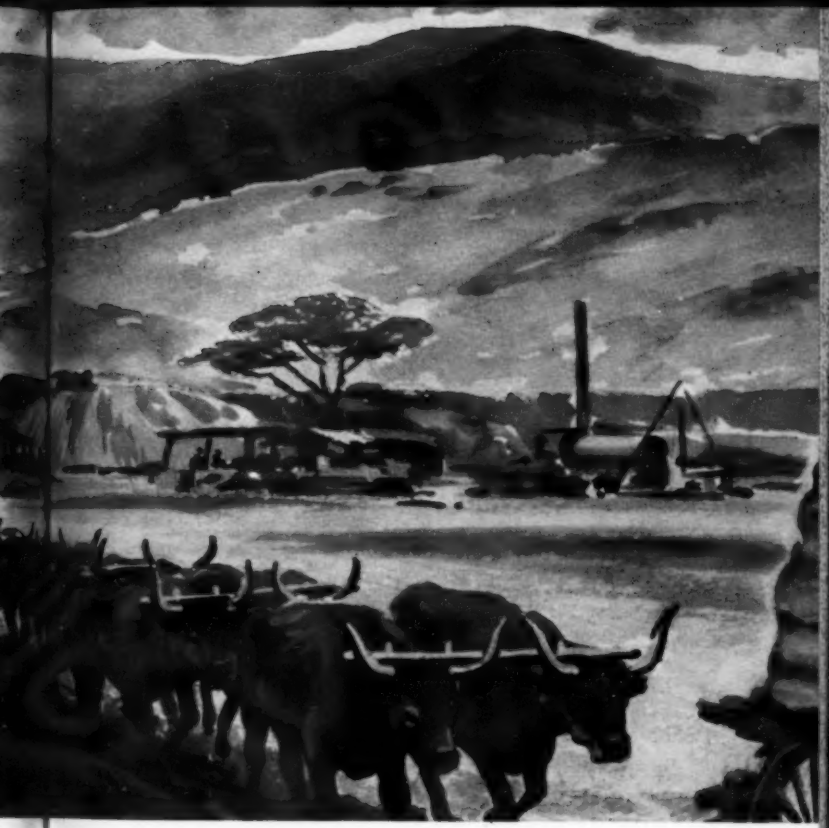
Brave men, faithful beasts, start precious raw Asbestos on its

No bugles summon them to action. No glamour attends their grim parade. Yet these soldiers of production match the deeds of men in uniform, fighting their unsung battles in remote parts of the world. Beset by dust and burning heat, along treacherous mountain roads, brave bullock convoys haul the newly-mined Asbestos from the deep heart of South Africa to the nearest railheads. Thence by rail to the sea . . . then by boat through war-whipped seas where

ASBESTOSHITE

8 WEST 40th STREET, NEW YORK, N. Y. . . JOHANNESBURG, SOUTH

EVERY TYPE OF RAW ASBESTOS CARRIED IN STOCK: ARIZONA • AUSTRALIAN • BOLIVIAN



WITHOUT UNIFORMS

Asbestos on its journey to America — for industry, for Victory

a ruthless enemy waits to pounce without warning . . . but by skillful generalship and battle-schedule timing it reaches American ports. A dangerous journey, but one regularly accomplished to bring every quality and type of Asbestos to American industry, and Victory and freedom for the world.

★ ★ ★

Have you any questions about raw Asbestos? We will be pleased to answer them promptly.

JOHNS-MANVILLE INC.

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ESTABLISHED IN 1875

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Thetford Mines, P. Q., Canada

Mines

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RAW ASBESTOS

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NEW YORK, N. Y.	CONNELL ASBESTOS MFG. CO. 165 Clymer Street Brooklyn, N. Y.
SAN FRANCISCO, CALIF.	LIPPINCOTT CO., INC. 461 Market Street

no decline; production is still not meeting the requirements. Cutbacks on some types of airplanes (which means decreased call for certain kinds of asbestos textile materials) have been evened by increased requirements of other types of planes. Navy requirements continue unabated. There is considerable idle equipment in the industry, either full or part time, because of the severe lack of labor.

Brake Lining. March sales increased not only over the same month last year but also over the previous month (February). Sales for domestic consumption were the highest on record.

The total sales for the first three months were slightly higher than those for the corresponding period in 1944, and in fact were higher than those for the first quarter of any year in the past decade.

Export sales for March also showed an upward trend, as they increased over those for February. All in all the sales for March 1945 were unusually high.

Asbestos Paper. In this market one manufacturer reports a falling off of business, adding that the month of May will probably be the first period since the war started that full production will not be taken.

Reports from other sources, however, are to the effect that "volume is steady"; "demand continues strong with production up to maximum"; "demand good". Prices appear to be firm in most sections.

Asbestos Millboard. A slowing down in this market is reported with prices continuing firm. Another manufacturer in giving his comments, goes into more detail, stating that equipment business is still good but commercial sales are off 50%. Prices continue firm.

High Pressure Insulation. This market is still active on governmental buying for military and naval use as well as lend lease and foreign projects. "Quite steady" is the way another correspondent reports it. And still another source tells us that demand for this material continues beyond production.

Low Pressure Insulation. Reports have reached us to

the effect that there has been a considerable drop in orders starting about the first of April. Indications are that the market will continue inactive and spotty until September or October. Others are reporting steady volume—demand fair with increase in business later in the year.

Asbestos Cement Products. Demand for shingles and sidings is increasing—may be a normally seasonal condition. In fact the market seems to have tightened up considerably during the past month or two, with practically all manufacturers quoting extended deliveries. Production, however, remains approximately the same as in the past several months—resulting in a large backlog of unshipped orders. A large part of this condition is caused by the recent requirements of prefabricated houses for the devastated areas of Europe. Shortage of men continues to be the dominating factor controlling production, with no relief in sight.

In the wallboard section demand continues to exceed supply and the market in corrugated sheets also continues active, altho some slackening is reported on the eastern coast as far as this latter commodity is concerned.

Scarcity of cast iron pipe has upped the requirements for asbestos-cement pipes, with seasonal demand evident in some areas. The pipe market remains to a large extent contingent upon the war.

The above comments are made by men closely in touch with field conditions. Ideas and opinions from any and all readers are always welcome.

. . . —

The U. S. Bureau of Mines has issued Information Circular No. 7313 (March 1945) on "Paligorskite, A Possible Asbestos Substitute" which describes a deposit of this material (commonly known as "mountain leather") located on Lemesurier Island, Alaska. Anyone interested can obtain a copy of I. C. 7313 by requesting it on business letterhead, from the Bureau of Mines, Washington, 25, D. C. The paper was prepared by Robert B. Fisher, Robert L. Thorne and Corbin Van Cott, all of the Bureau of Mines.

CAPTAINS OF INDUSTRY!

Plant your flag on top, too!

This year we've got to make 2=3! We've got to lend Uncle Sam in 2 chunks almost as much as we lent last year in 3. Which means that, in the approaching 7th War Loan, each of us is expected to buy a BIGGER share of extra bonds.

The 27 million smart Americans on the Payroll Savings Plan are getting a head-start! Starting right now they are boosting their allotments for April, May and June—so that they can buy more bonds, spread buying over more pay checks.

Our Marines went over-the-top at Iwo Jima in the greatest, and hardest, battle in the Corps' history. Now it's your turn! Your quota in the 7th is needed to help finish this war, sidetrack inflation and build for future prosperity. So, captains of industry, plant your flag on top—like the Marines at Iwo Jima!

CAPTAINS OF INDUSTRY—here's your CHECK LIST for a successful plant drive:

- ★ Get your copy of the "7th War Loan Company Quotas" from your local War Finance Chairman. Study it!
- ★ Determine your quota in E Bonds—the backbone of every War Loan.
- ★ Arrange for plant wide showings of "Mr. and Mrs. America"—the new Treasury film.
- ★ Distribute "How to Get There"—a new War Finance Division booklet explaining the benefits of War Bonds.
- ★ Circulate envelopes for safekeeping of bonds.
- ★ Display 7th War Loan posters at strategic points.
- ★ And—see that a bench-to-bench, office-to-office 7th War Loan canvass is made.

The Treasury Department acknowledges with appreciation the publication of this message

"ASBESTOS"

17TH FL., INQUIRER BLDG. PHILADELPHIA, 30, PA.

This is an official U. S. Treasury advertisement prepared under the auspices of the Treasury Department and War Advertising Council

CONTRACTORS AND DISTRIBUTORS PAGE

BUILDING

Substantial increase in construction volume in the thirty-seven states east of the Rocky Mountains during the first quarter of 1945 as compared with the similiar period of last year was reported today by F. W. Dodge Corporation on the basis of its field-staff reports.

The volume of all construction contracts awarded in the thirty-seven states during the first three months of this year totaled $616,780,000 as compared with a total of $472,867,000 in the first quarter of 1944.

The main increase in activity was in nonresidential construction, especially buildings used for manufacturing purposes. The comparative figures for all nonresidential construction were $205,137,000 in the first quarter of 1944 and $388,612,000 in 1945.

During the first three months of this year publicly-owned construction accounted for 60 per cent of all contracts awarded, while during the first quarter of 1944 publicly-owned construction accounted for 77 per cent.

The first quarter's volume exceeded that shown for the first quarter of the year 1938, and compares favorably with the volume shown for the first quarter of 1937 and 1940.

WAGE RATES

The list of wage rates for Asbestos Workers (pipe coverers) published in The Asbestos Worker (Official Quarterly Journal of the International Association of Heat and Frost Insulators and Asbestos Workers) shows only a few changes from the list published in our August 1944 number, supplemented by the few new rates listed on page 26 of our February 1945 number.

The changes are:

Albany, N. Y.	$1.62½	(previous rate $1.50)
Boston, Mass.	1.67½	(previous rate 1.65)
Cincinnati, Ohio	1.62½	(previous rate 1.55)
Toledo, Ohio	1.62½	(previous rate 1.52½)

ASBESTOS CEMENT CHEMIST

Experienced in manufacture of cement asbestos products. Research and development. Company has excellent post war future. Wonderful opportunity for the right man. Location—Metropolitan New York area. Send complete resume, including draft status, to Box No. 2F-N, "ASBESTOS", 17th Fl., Inquirer Bldg., Phila., 30, Pa.

AREA OF BODIES FOR VALVES, TEES and ELLS

1500 LB. SERIES (V.T. & E.)

Pipe Size	Metal Area	1" *	1½" *	2" *	2½" *	3" *	3½" *	4" *	Length of Body
½"	.13	.31	.49	.67	.85	1.02	1.20	1.38	6¾"
¾"	.17	.37	.56	.76	.95	1.14	1.34	1.53	7¼"
1"	.24	.45	.66	.87	1.08	1.29	1.50	1.71	8"
1¼"	.33	.57	.80	1.03	1.26	1.49	1.72	1.95	8¾"
1½"	.40	.66	.91	1.16	1.41	1.66	1.92	2.17	9½"
2"	.59	.90	1.21	1.51	1.82	2.12	2.43	2.84	11½"
2½"	.83	1.19	1.54	1.89	2.24	2.59	2.95	3.30	13¼"
3"	1.14	1.53	1.92	2.31	2.70	3.09	3.48	3.87	14¾"
3½"	1.40	1.83	2.25	2.68	3.10	3.52	3.95	4.37	16"
4"	1.71	2.17	2.63	3.08	3.54	3.99	4.45	4.90	17¼"
5"	2.54	3.09	3.64	4.19	4.74	5.28	5.83	6.38	20¾"
6"	3.06	3.64	4.21	4.79	5.36	5.93	6.51	7.08	21¼"
8"	4.82	5.51	6.19	6.87	7.55	8.23	8.92	9.60	25½"
10"	7.17	7.99	8.81	9.63	10.45	11.26	12.08	12.90	30½"
12"	10.05	10.89	11.72	12.56	13.39	14.22	15.06	15.89	34¾"
14"	11.94	12.97	14.00	15.03	16.06	17.08	18.10	19.13	39"
16"	15.05	16.17	17.29	18.41	19.53	20.64	21.76	22.88	43"
18"	18.72	20.00	21.26	22.53	23.70	25.07	26.34	27.61	47¾"
20"	22.54	23.89	25.23	26.58	27.92	29.26	30.61	31.95	51½"
24"	31.77	33.35	34.92	36.49	38.06	39.63	41.21	42.78	60½"

* Denotes sq. ft. area at thickness shown from metal. Use metal area for first layer of blocks.

Twelfth and last in the series of Area Tables compiled by Elbert R. Sitton.

NEWS OF THE INDUSTRY

BIRTHDAYS

Georges Turcotte, Manager, Nicolet Asbestos Mines Limited, Norbestos, P. Q., Canada, May 23.

George V. Hamilton, Owner, Geo. V. Hamilton Co., Pittsburgh, Pa., May 26.

Giles Newton, Managing Director, Cape Asbestos Co., Limited, London, England, May 27.

S. H. Ralph, Vice President, and Director, The Flintkote Company, New York, 20, N. Y., May 27.

F. E. Schluter, President, Thermoid Company, Trenton, N. J., May 31.

F. H. Shipe, President, Asbestos Covering and Roofing Co., Washington, D. C., May 31.

Phil Ziegenfuss, President and Treasurer, Insulating Materials Co., St. Louis, Mo., June 2.

Walker Jamar, President, Walker Jamar Co., Duluth, Minn., June 11.

Howard Snow, President, Southern Friction Materials Co., Charlotte, N. C., June 11.

George A. Hull, Vice President, Union Asbestos & Rubber Company, Chicago, Ill., June 14.

All these gentlemen are extended our congratulations and best wishes on the occasion of their birthdays.

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SAMUEL H. DOLBEAR—Mineral Adviser to Korea

Samuel H. Dolbear, mining engineer, 11 Broadway, New York City, and well known to many in the Asbestos Industry, has been appointed mineral adviser to the Provisional Government of the Republic of Korea, according to a recent announcement by Dr. Syngman Rhee, first president of the new government. When the Japanese have been driven from Korea, it is reported that a large number of mining and metallurgical engineers will be required to assist in the rehabilitation, development and operation of the numerous mineral industries in Korea, which, according to Japanese statistics, employ about 220,000 men. Mr. Dolbear has announced that he is interested in reaching mining engineers who have had previous experience in Korea to assist in formulating a program now, and in actual operations later.

• BLUE ASBESTOS

The Cape Asbestos Company, Ltd., is the world's largest supplier of acid-resistant blue crocidolite asbestos, and the only manufacturer operating its own mines. Inquiries solicited on:

MILLBOARD YARNS
ROVINGS POWDER CLOTHS
PROCESSED FIBRES
Unexcelled for use in
ASBESTOS CEMENT PIPES

• AMOSITE ASBESTOS

This fibre owing to its great length and bulk is unrivalled for use as an insulating medium in:

Asbestos mattress filler
85% Magnesia Insulation

The CAPE ASBESTOS CO. Limited

Morley House, 28-30 Holborn Viaduct, London, E.C.1.
FACTORY, BARKING, ESSEX

United States Sales Agent:
ARNOLD W. KOEHLER
415 LEXINGTON AVE. NEW YORK CITY
TELEPHONE—VANDERBILT 6-1477

PROMOTIONS AT PLANT RUBBER

Rubin Lewon has been appointed Manager of Research for the Plant Rubber & Asbestos Works. He was formerly superintendent of the "Precision-Molded" 85% Magnesia factory at Emeryville, Calif. Mr. Lewon has been with the Company for eleven years, and has contributed much to the development of improved 85% Magnesia processes.

Louis L. Collonge has been appointed Superintendent of the "Precision-Molded" 85% Magnesia plant at Emeryville. Mr. Collonge started as Research Chemist early in 1937, and has also made important contributions to the successful development of Plant's improved insulating products.

E. Fred Karklin has been made Superintendent of the Redwood City plant and salt works operations. He also commenced his career as Research Chemist at the company's laboratories at Redwood City, in 1939.

Walter Rohde has been appointed Manager of Production Control with headquarters at San Francisco.

Victor Sagues will continue as Superintendent of the San Francisco factory, manufacturing packing, gaskets, mechanical rubber goods and low pressure insulations.

These promotions are made to cope with increased demands of war agencies, and anticipating a busy-postwar plant because of many new developments in insulation, according to S. A. Abrahams, Factories Manager.

• • • —

R. C. HARRINGTON
Promoted by United States Rubber

R. C. Harrington has been promoted to the position of technical director in charge of development, engineering, quality control, purchasing and of technical contacts with the trade, in the United States Rubber Company, his headquarters being at 1230 Sixth Avenue, New York 20, N. Y.

Mr. Harrington joined the company in 1928; he was made technical superintendent of the Winnsboro, S. C., plant in 1933; in 1938 he was transferred to the general manager's office at Hogansville, Ga., as technical assistant to the general manager in 1938. In 1941 he was made assistant to the general manager and transferred to the New York general offices.

Mr. Harrington is in large part responsible for the organization of the Central Development Laboratory now located at the Hogansville, Ga., plant. The findings at this laboratory have assisted greatly in the development of Asbeston. His present headquarters are at New York City.

INSULATION LABORATORY ESTABLISHED

The primary purpose of the Insulating Products Laboratories is the testing of materials sold by these companies to determine quality, physical characteristics and application also to work out affiliated Asbestos Supply Companies at Seattle, Portland, Tacoma and Spokane.

This is a forward step in service to the pipe covering and insulation industry of the Pacific Northwest. Scientific data, performance and test problems in the field of heat, cold and sound insulation arising in the territory covered by the companies above mentioned can be submitted to the Laboratories for analysis and study.

During the past year the Insulating Products Laboratories was established at 98 Jackson Street, Seattle, Wash., by the four problems in the application of materials. In these critical days substitution has become an important factor, and before advising the substitution of any material, the substitute is tested.

The laboratory is equipped with scientific testing equipment, reference library and data pertaining to insulating materials. The personnel consists of a director and staff and is under the management of J. W. Clise & Co.

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RUBEROID ANNUITY PLAN

A voluntary retirement annuity plan, designed to provide all eligible employees, both salaried and hourly paid, with a regular monthly income in addition to the social security benefits they will receive from the Government when they become 65 years of age, was adopted on April 27th by the stockholders of The Ruberoid Co. at their annual meeting at South Bound Brook, N. J. The plan had been previously approved by the U. S. Treasury Department and accepted by 83% of all eligible employees.

THE MANHATTAN RUBBER MFG. DIVISION has been officially notified by the Civilian Defense Director of the State of New Jersey that their Passaic plant has been approved to receive the National Security Award by the United States Office of Civilian Defense. The award will consist of a certificate and a flag, and will add to the several other awards of distinction received by Manhattan, including the Army-Navy "E" Award, renewed twice, the Treasury "T" Flag, and AAF Approved Quality Control Rating.

"PREVENTING HEAT LOSSES" is the title of an article appearing in the February 3rd issue of the South African Mining and Engineering Journal. We shall be glad to lend our copy to anyone interested.

J-M POST-WAR NOTES
(From J-M Stockholders News)

¶ Reconversion of American industry is expected to provide good markets for Johns-Manville, since the building materials and industrial products made for war will be needed in changing over the plants and equipment of other industries to peacetime production.

¶ J-M anticipates employing, in the period between V-E day and 1948, about 15,000 workers, or one-third more than it did immediately before the war. Employment at present is about 13,000.

Many new and improved products for postwar markets are planned.

¶ The expansion of research activities is one of the basic objectives of the company's planning for the future. Financial provision is being made for carrying out company-wide improvement and expansion plans, a Fund for Deferred Expenditure now amounting to more than $14,000,000 having been established.

¶ Exports of J-M materials are expected to be larger after the war than they were before, but will still constitute only a small part of the company's business. They expect a substantial export market for insulations, packings and other industrial products as such products will be urgently needed in rebuilding bombed-out plants and equipment and getting the European industrial machine back in operation.

. . . —

ABALL ASBESTOS COMPANY, Newark, N. J., has been organized by S. B. M. Williamson, Jr., for the handling of sales and distribution of asbestos specialty products in the metropolitan area. Mr Williamson has been connected with the New York Office of the Keasbey & Mattison Company for the past nine years, resigning on May 1st.

BRAKE SERVICE April 1945 issue, contained "The Story of World Bestos". Previous articles in this series featured Southern Friction Materials Co., American Brakeblok, L. J. Miley Co., Lempco Products, Inc., Bendix Products Division, Marshall Eclipse Div., Gatke Corporation, Russell Mfg. Co., Munroe Auto Equipment Co., Scandinavian Belting Co.

JOHNS-MANVILLE CORP. Consolidated earnings of Johns-Manville for the first quarter of 1945 were $1,395,598, compared to $1,451,566, for the corresponding period in 1944. Earnings per share of common stock were $1.64 for the first quarter as against $1.66 last year.

Sales for the first quarter of 1945 were $22,469,717, compared with $24,450,541 for the first quarter of 1944, while income and excess profits taxes were $1,420,650 this year, compared with $1,953,811 in 1944.

CAROLINA ASBESTOS COMPANY

CUSTOM MANUFACTURERS
OF
ASBESTOS TEXTILE PRODUCTS

CAROLINA ASBESTOS TEXTILES

ARE COMPLETELY ENGINEERED FOR MODERN REQUIREMENTS IN THE MANUFACTURE OF SAFETY-CLOTHING, ELECTRICAL HEATER-CORDS, DRYER-FELTS, PLASTICS AND MANY OTHER PRODUCTS REQUIRING THE USE OF ASBESTOS TEXTILES.

ASBESTOS YARN — CORD — CLOTH
ASBESTOS ROVING — TUBING — WICKING
ASBESTOS CARDED FIBRES — LISTING TAPES
OIL BURNER WICKING

CAROLINA ASBESTOS COMPANY

EXECUTIVE OFFICES:
DAVIDSON, N. C.

FACTORIES:
DAVIDSON, N. C.
MARSHVILLE, N. C.

ASBESTOS TEXTILE INSTITUTE FORMED

Recent discussions by a number of asbestos textile manufacturers have led to the formation of the Asbestos Textile Institute, with offices in 12 So. 12th St., Philadelphia 7, Pa.

The Institute is a voluntary, non-profit unincorporated organization whose function is to render service to manufacturers, to the trade and to users of asbestos textiles. Membership in the Institute is open to all individuals, corporations or others located in the United States who manufacture textiles from raw asbestos fibres.

With the formation of the Institute, the following companies, who represent a major portion of the asbestos textile production capacity in this country, became members: Asbestos Textile Company, J. Franklin Burke & Co., Carolina Asbestos Co., Garlock Packing Co., Johns-Manville Corp., Keasbey & Mattison Co., Philadelphia Asbestos Co., Raybestos-Manhattan, Inc., Southern Asbestos Co., and Union Asbestos & Rubber Co.

Among the various activities contemplated by the Institute are the establishment of uniformly high standards of quality, research to develop new uses and new markets for asbestos textiles, and the preparation and distribution of technical and general information that will be of interest and value to engineers, designers, distributors, manufacturers and the general public.

The officers elected to head this new Institute are: C. H. Carlough of Carolina Asbestos Co., President; George Marshall, Jr., of Raybestos-Manhattan, Inc., Vice President; William C. Scott of Keasbey & Mattison Co., Treasurer, and Harris D. McKinney, Manager and Secretary.

The Board of Governors is composed of: C. H. Carlough, Chairman; G. S. Fabel of Southern Asbestos Co., George Marshall, Jr., W. C. Scott, E. R. Teubner, Jr., of Philadelphia Asbestos Co., and F. J. Wakem of Johns-Manville Corp.

The work of the Institute will be an important factor in broadening the general understanding of the innumerable uses and applications of asbestos textiles.

H. W. PORTER & CO., 825 Frelinghuysen Ave., Newark 5, N. J., have just published a new Bulletin, No. 451, entitled "Therm-O-Tile, The Conduit for Underground Pipe Lines". The bulletin covers the four main advantages of Therm-O-Tile. It is a 4-page bulletin, in two colors. Copies will be supplied by H. W. Porter & Co. upon request.

F. L. SMIDTH & CO., Engineers and suppliers of machinery for asbestos-cement factories, announces as of May 1st, the removal of its offices to 11 W. 42nd St., 24th Floor, New York. 18, N. Y. (Telephone Longacre 3-6600). They were formerly located in the Lincoln Building at 60 E. 42nd Street.

CORK-ASBESTOS-FIBROUS GLASS DIVISION. The establish ment of a Hard Surface Flooring Section in this Division of the War Production Board was announced on April 19th by William T. Meloy, division director. George R. Grouendyke, of New Orleans, La., formerly with the Textile, Clothing and Leather Bureau, has been named chief of the new section. Scarcity of materials entering into the production of lineoleum and other hard surface floor coverings, partly occasioned by increased armed service demands, necessitated the formation of the section to control the production and flow of such components.

THE RUBEROID CO. reported for the three months ended March 31, net profit of $153,816, equal to 39c per share, after providing for all taxes and a reserve of $30,000 for wartime contingencies. Net profit of $155,415, equal to 39c a share, was reported in the first quarter of 1944.

Net sales in the first three months of 1945 amounted to $6.922,330, compared with $6,883,178 in the like period in 1944.

THE RUBEROID CO., at its annual meeting held on April 27th, re-elected all Directors. The Board is composed of Herbert Abraham, C. F. Batchelder, W. G. Cowan, L. F. Dittenhoefer, Charles F. Evans, Louis Herscovitz, G. F. Kerr, S. P. Moffit, E. Q. Potter, E. M. Railton, M. C. Whitaker and Stanley Woodward.

CONTINENTAL ASBESTOS & REFINING CORP., 1 Madison Ave., New York, 10, N. Y. announce a resilient waterproof coating for roofs, walls and other surfaces exposed to the elements, under the name of Liquinoleum. It is said to have about eight times the protective thickness of paint.

PATENTS

This information obtained from the Official Patent Gazette, published weekly by the U. S. Patent Office, Washington, D. C.

Copies of patents can be obtained by sending 10c (in coin) to The Commissioner of Patents, Washington, D. C., giving the patent number, date it was issued, named of patentee and name of invention.

Mixing Machine. No.2,368,977. Granted on February 6, 1945, to George A. Fasold, Mt. Healthy, Ohio, assignor to the Philip Carey Mfg. Company. Application October 22, 1942. Serial No. 462,901.

A device for mixing finely divided solid particles with liquid. Further description upon request.

Insulating Lining for Conduits. No. 2,369,204. Granted on February 13, 1945 to Albert L. Baker, Summit, N. J., assignor to M. W. Kellogg Co., New York. Original application May 3, 1940.

Serial No. 333,093. Divided and this application April 29, 1942. Serial No. 440, 922.

A tubular insulating member, said member including unconnected, concentrically disposed inner and outer metal jackets, said jackets being spaced from each other to provide an annular open-ended chamber, said jackets having openings therein for communication with said annular chamber and porous insulating material disposed in said chamber to provide a heat barrier between said jackets of substantially uniform heat conductivity, said porous material serving as the sole means for maintaining said jackets in their spaced relation, the insulating material at the ends of said chamber being felt-like and movable as a unit, each of said jackets being corrugated adjacent their ends, said corrugations being disposed in spaced planes transverse to the longitudinal axis of said member planes, said corrugations serving to maintain said felt-like insulating material in position.

Friction Material. No. 2,369,502. Granted on February 13. to Frederick S. Walker, Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc. Application March 7, 1940. Serial No. 322,750.

As a product of manufacture a substantially rigid molded friction element comprising essentially at least 40% by weight of powdered metal selected from the group consisting of soft iron, copper, aluminum and alloys of copper, which are predominantly copper, and between 5% and 25% by weight of a heat hardened organic binder for said powdered metal, said metal being present in sufficient amount to produce a substantially continuous metallic film on the friction surface of said element, when said surface is pressed against a relatively moving metal surface.

Wall Construction. No. 2,369,595. Granted on February 13, 1945, to William S. Miles, Hastings on Hudson, N. Y., and Paul A. Voigt, Bellerose Manor, N. Y., assignors to Johns-Manville. Application December 31, 1940. Serial No. 372,434. Description upon request.

Oil Burner Wick. No. 2,371,006. Granted on March 6, 1945 to Jesse M. Weaver, Charleston, S. C., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Application March 8, 1943. Serial No. 478,486.

An oil burner wick comprising a plurality of superimposed laminations of asbestos paper connected together as a unit, one of the laminations being formed of relatively soft paper stock and the outer lamination as compared to said one lamination, being formed of relatively harder and more dense paper stock.

Collapsible Air Conduit. No. 2,371,556. Granted on March 13, 1945 to Walter L. Steffens and Laurence E. Whitaker, Wyom-

ing, Ohio, assignors to Philip Carey Mfg. Company, a corporation of Ohio. Application June 13, 1942. Serial No. 446,920.

A collapsible air conduit comprising a circumferential continuous, flexible core having separate rigid side pieces attached thereto forming walls for the conduit substantially co-extensive in length and circumference with the core, said core providing means for flexibly connecting the sides to permit said core and sides being extended or opened from a collapsible flat blank.

Packing. No. 2,372,095. Granted on March 20, 1945 to George P. Leistensnider and Herman G. Koch, Somerville, N. J., assignor to Johns-Manville Corporation. Application September 24, 1942. Serial No. 459,498.

A packing comprising a relatively rigid supporting annulus comprising resin impregnated material and a portion comprising a yieldable rubber composition for contacting a moving part and a bonding material substantially integrally united with said contacting portion and overlying and bonded to a surface of said supporting annulus.

Coated Cement Products. No. 2,372,284. Granted on March 27th to Henri M. Marc, Cincinnati. Assignor to Philip Carey Mfg. Company. Application September 24, 1941. Serial No. 412,109.

A method of coating a hydraulic cement product which comprises applying to the product as a coating an aqueous composition that contains soluble silicate consisting predominantly of potassium silicate and drying and heat curing the coating, said heat curing of said coating including soluble silicate contained therein, being carried out at a temperature below about 600° F. and above about 350° F. to insolubilize said soluble silicate by said heat curing to a solubility index below 35.

Silicate Coated Article of Manufacture. No. 2,372,285. Granted on March 27th to Henri M. Marc, Cincinnati, and Harold W. Greider, Wyoming, Ohio. Assignors to the Philip Carey Mfg. Company. Application September 25, 1941. Serial No. 412,220.

A rigid article surface coated with a hardened inorganic coating which is composite in character and which comprises a base layer and a superficial layer, said base layer being the product of drying and heat curing an aqueous composition that contains soluble silicate of which at least about 50% is potassium silicate and that contains at least about 5% of kaolinitic type clay (by dry weight of solids in the base layer) to insolubilize said soluble silicate and harden said base layer to a solubility index not greater than 20, the unsolubilized soluble silicate being at least about 30% by weight of the base layer; and said superficial layer being the product of drying and heat curing at a temperature of about 300° F. to about 600° F., an aqueous composition applied to the heat cured base layer and containing a soluble silicate of which at least about 75% is potassium silicate, to insolubilize said soluble silicate and harden said superficial layer to a solubility index not greater than 35.

THIS and THAT

United States Rubber Company plants in 1944 operated more than 150 million manhours with an overall average of only 6.14 lost-time accidents per million manhours worked. This rate, approximately one-third the average rate of 87 manufacturing industries, established the operation of the company as one of the safest in the country.

. . .—

A broad survey of the entire field of business statistics will be made by a newly created committee of the Chamber of Commerce of the United States. The committee will attempt to determine to what extent government should participate in business reporting and how much reporting and dissemination of facts business should conduct on its own account. It is realized that certain statistical data would be extremely helpful in the reconversion period, and the committee therefore will undertake to develop suggestions that will be useful when transition from war to peace gets under way.

. . .—

General Electric Company's net income available for dividends for the year 1944 was $50,846,000 compared with $44,923,000 in 1943, an increase of 13 per cent. Shipments in 1944 were at a new record level for the fourth successive year, amounting to $1,353,000,000, or 5% more than in 1943. Average number employed by General Electric during 1944 was 167,212 compared with 171,133 during 1943.

. . .—

A. S. T. M. subcommittee[1] on physical properties of thermal insulating cement has reviewed thoroly the several specifications and methods under its juricdiction and reached decisions on certain cooperative work to be undertaken during the present year. It will recommend for adoption the Tentative Methods of Test for Covering Capacity and Volume Change upon Drying (C 166-41T) with a revision in the test procedure requiring adequate

[1] Of Committee C-16 on Thermal Insulating Materials.

circulation of the oven atmosphere during drying of the test specimen. This same provision will also be added in the test procedures for thermal conductivity and adhesion to steel appearing in the specifications for 85% Magnesia (C193), asbestos (C194), mineral wool (C195), expanded or exfoliated vermiculite (C196) and diatomaceous silica (C197) thermal insulating cements.

PUBLICATIONS AVAILABLE

Asbestos Mining Methods. (Reprint)—25c per copy, discount in quantities of 50 or more.

The Asbestos Factbook (2nd Edition)—Much information about asbestos, in compact form—10c per copy.

Canadian Chrysotile Asbestos Classification (reprint)—25c per copy, or 15c ea. in quantities of 10 or more.

Twelve Estimating Tables with Chart. Convenient in figuring flange fittings and other areas—$1.00 per set.

Manual of Unit Prices (for figuring pipe covering and blocks)—30c per copy postpaid.

Processing Asbestos Fibres (Reprint)—of interest to textile plant superintendents or foreman—25c per copy.

Tests for Cotton Content (Reprint from May 1944 "ASBESTOS".) 10c per copy.

Chart—Dollars Cost of Uninsulated Pipe. Reprinted from Page 27, February 1944 "ASBESTOS". 20c each.

Asbestos: The Magic Mineral, by Lilian Holmes Strack. Especially interesting to school children—$1.00 per copy.

Order any of the above from "ASBESTOS", 17th Fl., Inquirer Bldg., Philadelphia, 30, Pa.

BUY WAR BONDS AND STAMPS

TEST

. . . the added sales volume awaiting you among the nation's roofing and siding contractors. Write to . . .

AMERICAN ROOFER and SIDING CONTRACTOR
425 Fourth Avenue, New York City

CURRENT RANGE OF PRICE

As of May 10, 1945

Canadian—	Per Ton (2000 lbs.) f.o.b. Mine (In U. S. Funds)
Group No. 1 (Crude No. 1)	$650.00 to $750.00
Group No. 2 (Crude No. 2; Crude Run-of-Mine and Sundry)	165.00 to 385.00
Group No. 3 (Spinning or Textile Fibre)	124.00 to 260.00
Group No. 4 (Shingle Fibre)	62.50 to 90.00
Group No. 5 (Paper Fibre)	44.00 to 53.00
Group No. 6 (Waste, Stucco or Plaster)	33.00 to 35.00
Group No. 7 (Refuse or Shorts)	14.50 to 30.00

Vermont—	Per Ton (2000 lbs.) f.o.b. Hyde Park, Vt.
Shingle Stock Fibres	$62.50 to $65.50
Paper Stock Fibres	44.00 to 54.00
Waste	33.00
Shorts	14.50 to 28.50
Floats	19.50

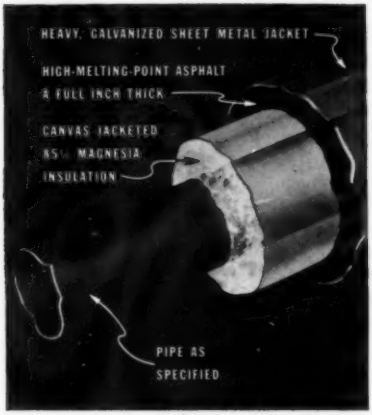
Note: Crude Run-of-Mine (Canadian) refers to a crude asbestos produced in certain mines where Crude Fibre is not graded into regular No. 1 and 2 Crude. Crude Sundry refers to certain odd lots of off grade material which do not conform to the regular standards of No. 1 Crude or No. 2 Crude.

ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the Commercial and Financial Chronicle. No guarantee made as to their correctness).

		April 1945		
	Par	Low	High	Last
Armstrong Cork Co. (Com.)	np	43⅜	49⅞	48¼
Asbestos Corp. (Com.)	np	21½	24½	24⅜
Celotex (Com.)	np	15⅛	16⅜	16
Celotex (Pfd.)	20	19½	20¼	20
Certainteed (Com.)	1	7¾	9⅜	8⅞
Certainteed (Pfd.)	100	145	151	150
Flintkote (Com.)	np	25½	30⅞	29⅜
Flintkote (Pfd.)	np	105⅝	107½	107½
Johns-Manville (Com.)	np	108¼	119	115
Raybestos-Manhattan (Com.)	np	34¾	39	39
Ruberoid (Com.)	np	34¼	38¼	37¾
Thermoid (Com.)	1	9⅛	11⅛	10½
Thermoid (Pfd.)	10	54¼	55⅞	55
U. S. Gypsum (Com.)	20	79½	88	88
U. S. Gypsum (Pfd.)	100	186	195	190
U. S. Rubber (Com.)	10	54¾	60⅜	59⅜
U. S. Rubber (Pfd.)	100	156½	163	162

Sectional view of Durant Insulated Pipe, showing construction features. Pipe, insulation and protection are factory-fabricated into units.



EHRET'S D.I.P.

. . . SETS STANDARDS FOR UNDERGROUND INSULATED PIPING

Ehret's Durant Insulated Pipe combines the high insulating efficiency of 85% Magnesia and the time-defying characteristics of imperishable asphalt. Added to this advantage is factory-fabricated construction which makes field installation both rapid and economical.

Send for the special Ehret booklet on D. I. P. It contains full details on this modern system for underground insulated piping.

EHRET MAGNESIA MANUFACTURING COMPANY

VALLEY FORGE • PENNSYLVANIA

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Asbestos Textile Products since 1919

A Complete Line of Products

The facilities of our sales and research organization are at the disposal of any manufacturer who has a problem to solve which involves the use of fabricated asbestos.

★

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